

# LIFT PLAN INFORMATION

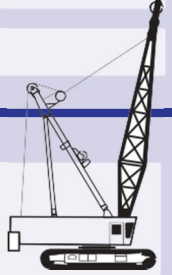
**1. Please fill out Completely.** Note: Any changes in the crane configuration, placement, rigging lifting, lifting scheme or calculations may require that a new Lift Plan be developed.

Project Name:

Company Name:

Date:

Location of Lift:



**2. Description of Lift:** *(Goal of operation, how operation will be performed, where it will occur)*

**3. Please Check Off & Include the Following Documents:**

- |  |  |
|--|--|
| <input type="checkbox"/> Written Lift Description (above)          | <input type="checkbox"/> Rigging sketch w/component detail               |
| <input type="checkbox"/> Orientation of Crane to the Load - sketch | <input type="checkbox"/> Spreader Beam / Lifting drawing (w/engineering) |
| <input type="checkbox"/> Sketch showing C/G of Load - side view    | <input type="checkbox"/> Layout Plan                                     |
| <input type="checkbox"/> Overhead view of Operation - sketch       |  |
- ☐ **CRANE'S LOAD CHART, WITH APPLICABLE WEIGHTS HIGHLIGHTED ATTACHED.**

**4. Crane Configuration**

Crane Manufacturer	<input type="text"/>	Model#	<input type="text"/>					
Hoisting Point:	<input type="checkbox"/> Main Boom	<input type="checkbox"/> Jib	<input type="checkbox"/> Extension	<input type="checkbox"/> Aux. Boom head				
Hoisting:	<input type="checkbox"/> Over side	<input type="checkbox"/> Over front	<input type="checkbox"/> Over rear					
Set Up:	Boom assembly requirements	<input type="text"/>	Assist Crane Required?	<input type="checkbox"/> Yes	<input type="checkbox"/> Attach Lift Plan			
Layout Area Required	Length	<input type="text"/>	Width	<input type="text"/>				
Outrigger or track positions:	<input type="checkbox"/> Extended	<input type="checkbox"/> Mid	<input type="checkbox"/> Retracted	<input type="checkbox"/> Tires	<input type="checkbox"/> Pick & Carry			
Boom Length (ft.):	<input type="text"/>	Boom Angle (deg.):	<input type="text"/>	Jib or Extension Length (ft.):	<input type="text"/>	Offset:	Angle	<input type="text"/>

**5. Determining Gross Capacity (from Load Chart)**

Max Load Radius: ft. or (Angle)	<input type="text"/>	Pick-up: ft. or (Angle)	<input type="text"/>	Set-down: ft. or (Angle)	<input type="text"/>	
Crane Capacity at max. Radius:	Over rear (lbs.):	<input type="text"/>	Over side (lbs.):	<input type="text"/>	Over front (lbs.):	<input type="text"/>
Maximum boom length for operation (ft.):	<input type="text"/>					
Required Counterweight: Weight (in lbs.):	<input type="text"/>					

**Gross Capacity:**

**6. Hoist Capacity**

Rope diameter & type:  Wire rope limit (in lbs.):  Line pull per part:

Number of parts:

**Hoist Capacity:**



**JACOBS**

## 7. Rigging

Rigging connection to load: ☐ Fixed point ☐ Free connection

Connection point capacity:

Lifting/Spreader Beam required: ☐ Yes ☐ No

Beam/Spreader capacity:

Sling Size/Capacity:

No. of slings:

Minimum sling angle (deg):

Sling Material:

Maximum force on sling legs (lbs.):

Type of Hitch: ☐ Basket ☐ Choke ☐ Vertical

Connecting hardware capacity (lbs.):

Is the load capable of absorbing the additional lateral loading? ☐ Yes

Total Rigging weight:

## 8. Total Gross Load

### Total Deductions from Capacity

Wire rope in excess of rated capacity for lift (ft.):

Wire Rope below Grade (ft.):

Wire rope weight:


### Net Load Weight

Load weight include method of determining load weight, if estimated - specify estimator, if measured - specify scale type:

☐ Estimated By Whom:

☐ Measured / Scale:

### Deductions

Block Weight:	
Over Haul Ball Weight:	
Auxiliary Boom Head:	
Ext. or Jib Weight:	
Main Hoist Line Wt:	
Aux. Hoist Line Wt:	
Rigging Weight:	
<b>Total Deductions</b> 	lbs

Net Load  + Deductions  = Total Gross Load (TGL)  \*

\*TGL  ÷ Rated Capacity  = Capacity margin  %

## 9. Area of Operations

Crane ground bearing pressure (psf.):

Outrigger matting / blocks req: ☐ Yes ☐ No

Matting necessary for ground conditions (dimensions):

Wheel mounted crane: Traveling w/boom erected? ☐ Yes ☐ No

Max Boom Length for Travel (based on Manufacturers limitations):

Clearance from Overhead Obstructions (ft.):

Swing Clearance: ☐ Greater than 2 ft.

Head room requirements:

Head room remaining:

Overhead Powerlines: ☐ Yes ☐ No

## 10. Wind Limitations

Record Crane wind restriction from the load chart:

Maximum wind allowable with load:

## 11. Crew

How many personnel are required, what are their jobs, where will they be located and what actions should they take in the event of foreseeable emergencies?

Lifting Supervisor:

Required Signature: